Alpine, A. E., and J. E. Cloern. 1992. Trophic interactions and direct physical effects control phytoplankton biomass and production in an estuary. Limnology and Oceanography 37: 946-955.

Baskerville-Bridges, B., J.C. Lindberg and S.I. Doroshov. 2004. The effect of light intensity, alga concentration, and prey density on the feeding behavior of delta smelt larvae. Pages 219-228 *in* F. Feyrer, L.R. Brown, R.L. Brown and J.J. Orsi, eds. Early fife history of fishes in the San Francisco Estuary and watershed. American Fisheries Society Symposium 39, Bethesda, MD, USA.

Bennett, W.A., W.J. Kimmerer and J.R. Burau. 2002. Plasticity in vertical migration by native and exotic fishes in a dynamic low-salinity zone. Limnology and Oceanography 47:1496-1507.

Bennett, W.A. 2005. Critical assessment of the delta smelt population in the San Francisco Estuary, California. San Francisco Estuary and Watershed Science. Available on the internet at <http://repositories.cdlib.org/jmie/sfews/vol3/iss2/art1>.

Bennett, W.A., J.A.Hobbs, and S. Teh. 2008. Interplay of environmental forcing and growth-selective mortality in the poor year-class success of delta smelt in 2005. Final Report to the Interagency Ecological Program.

Bergamaschi, BA, Kuivila, KM, Fram, MS. 2001. Pesticides associated with suspended sediments entering San Francisco Bay following the first major storm of water year 1996. Estuaries 24:368-380.

Brown, R., S. Greene, P. Coulston and S. Barrow. 1996 . An evaluation of the effectiveness of fish salvage operations at the intake of the California Aqueduct, 1979-1993. Pages 497-518 in J. T. Hollibaugh (editor) San Francisco Bay: the ecosystem. AAAS, San Francisco, CA.

Brown, L.R., and D. Michniuk. 2007. Littoral fish assemblages of the alien-dominated Sacramento-San Joaquin Delta, California, 1980-1983 and 2001-2003. Estuaries and Coasts 30:186-200.

CALFED (Science Program). 2008. The state of Bay-Delta Science, 2008. M. Healey, M. Dettinger, and R. Norgaard (Eds.). Sacramento, CA. Available on the internet at: http://deltacouncil.ca.gov/science-program

Castillo, G, Morinaka, J, Lindberg, J, Fujimura, R, Baskerville-Bridges, B, Hobbs, J, Tigan, G, Ellison, L. 2010. Pre-screen loss and fish facility efficiency for delta smelt at the south Delta's State Water Project, California. Draft final report for CALFED Science Program grant # 1048.

Connon, R.E., S. Beggel, L.S. D'Abronzo, J.P. Geist, J. Pfeiff, A.V. Loguinov, C.D. Vulpe, and I. Werner. 2011a. Linking molecular biomarkers with higher level condition indicators to identify effects of copper exposures on the endangered delta smelt (*Hypomesus transpacificus*). Environmental Toxicology and Chemistry 30: 290-300.

Connon, R.E., L.A. Deanovic, E.B. Fritsch, L.S. D'Abronzo, and I. Werner. 2011b. Sublethal responses to ammonia exposure in the endangered delta smelt; *Hypomesus transpacificus* (Fam. Osmeridae). Aquatic Toxicology 105:369-377.

Connon, R.E., J. Geist, J. Pfeiff, A.V. Loguinov, L.S. D'Abronzo, H. Wintz, C.D. Vulpe, and I. Werner. 2009. Linking mechanistic and behavioral responses to sublethal esfenvalerate exposure in the endangered delta smelt; *Hypomesus transpacificus* (Fam. Osmeridae). BMC Genomics 10: DOI 10.1186/1471-2164-10-608.

Culberson, S.D., C.B. Harrison. C. Enright and M.L. Nobriga. 2004. Sensitivity of larval fish transport to location, timing, and behavior using a particle tracking model in Suisun Marsh, California. Pages 257-267 *in* F. Feyrer, L.R. Brown, R.L. Brown and J.J. Orsi, eds. Early fife history of fishes in the San Francisco Estuary and watershed. American Fisheries Society Symposium 39, Bethesda, MD, USA.

Dege, M., and L.R. Brown. 2004. Effect of outflow on spring and summertime distribution and abundance of larval and juvenile fishes in the upper San Francisco Estuary. American Fisheries Society Symposium 39: 49-65.

Deriso, RB. 2011. Declaration of Dr. Richard B. Deriso in support of Plaintiff's motion for injunctive relief, Case 1:09-cv-00407-OWW-DLB, Document 772, filed 1/28/2011.

Dettinger, M.D. 2005. From climate-change spaghetti to climate-change distributions for 21st Century California. San Francisco Estuary and Watershed Science Available on the internet at <http://repositories.cdlib.org/jmie/sfews/vol3/iss1/art4>.

DFG (Department of Fish and Game). 2009. California Endangered Species Act Incidental Take Permit No. 2081-2009-001-03, Department of Water Resources, California State Water Project Delta Facilities and Operations.

Dugdale, R.C., F.P. Wilkerson, V.E. Hogue and A. Marchi. 2007. The role of ammonium and nitrate in spring bloom development in San Francisco Bay. Estuarine, Coastal, and Shelf Science 73:17-29.

Enos, C., J. Sutherland and M. Nobriga. 2007. Results of a two year fish entrainment study at Morrow Island Distribution System in Suisun Marsh. Interagency Ecological Program Newsletter 20(1):10-19.

Feyrer, F., B. Herbold, S.A. Matern and P.B.Moyle. 2003. Dietary shifts in a stressed fish assemblage: consequences of a bivalve invasion in the San Francisco Estuary. Environmental Biology of Fishes 67:277-288.

Feyrer, F., M.L. Nobriga and T. R. Sommer. 2007. Multi-decadal trends for three declining fish species: habitat patterns and mechanisms in the San Francisco Estuary, California, USA. Canadian Journal of Fisheries and Aquatic Sciences 64:723-734.

Feyrer, F., K. Newman, M.L. Nobriga and T.R. Sommer. 2011. Modeling the effects of future outflow on the abiotic habitat of an imperiled estuarine fish. Estuaries and Coasts: 34(1):120-128. DOI 10.1007/s12237-010-9343-9.

Gartrell, G. 2010. Technical issues related to Delta fall salinity, Delta hydrodynamics, and salvage of delta smelt in the Sacramento-San Joaquin Delta. Technical Memorandum submitted to the NRC Committee on Sustainable Water and Environmental Management in the California Bay-Delta, dated January 25, 2010.

Ger, KA, Teh, SJ, Goldman, CR. 2009. Microcystin L-R toxicity on dominant copepods *Eurytemora affinis* and *Pseudodiaptomus forbesi* of the upper San Francisco Estuary. Science of the Total Environment 407: 4852-4857.

Gingras, M. 1997. Mark/recapture experiments at Clifton Court Forebay to estimate pre-screening loss to entrained juvenile fishes: 1976-1993. Interagency Ecological Program Technical Report 55 (November 1997).

Gregory, RS, Levings, CD. 1998. Turbidity reduces predation on migrating juvenile Pacific salmon. Transactions of the American Fisheries Society 127:275-285.

Grimaldo, L.F., T. Sommer, N. Van Ark, G. Jones, E. Holland, P.B. Moyle, P. Smith and B. Herbold. 2009a. Factors affecting fish entrainment into massive water diversions in a freshwater tidal estuary: can fish losses be managed? North American Journal of Fisheries Management 29(5) 1253-1270.

Grimaldo, L.F., A. R. Stewart and W. Kimmerer. 2009b. Dietary segregation of pelagic and littoral fish assemblages in a highly modified tidal freshwater estuary. Marine and Coastal Fisheries: Dyanmics, Management, and Ecosystem Science (January 2009): 200-217.

Hestir, E. 2010. Trends in estuarine water quality and submerged aquatic vegetation invasion. PhD dissertation, University of California, Davis.

Hobbs, J.A., W.A. Bennett. and J. Burton. 2006. Assessing nursery habitat quality for native smelts (Osmeridae) in the low-salinity zone of the San Francisco Estuary. Journal of Fish Biology 69: 907-922.

Hobbs, J.A., Bennett, W.A., Burton, J. and M. Gras. 2007. Classification of larval and adult delta smelt to nursery areas by use of trace elemental fingerprinting. Transactions of the American Fisheries Society 136:518-527.

Hobbs, J.A., Qing-zhu, Y., J. Burton, and W. A. Bennett. 2005. Retrospective determination of natal habitats for an estuarine fish with otolith strontium isotope ratios. Marine and Freshwater Research 56:655-660.

Jassby, A. 2008. Phytoplankton in the upper San Francisco Estuary: recent biomass trends, their causes, and their trophic significance. San Francisco Estuary and Watershed Science 6: http//repositories.cdlib.org/jmie/sfews/vol6/iss1/art2.

Jassby, A.D., W.J. Kimmerer, S.G. Monismith, C. Armor, J.E. Cloern, T.M. Powell, J.R. Schubel and T.J. Vendlinski. 1995. Isohaline position as a habitat indicator for estuarine populations. Ecological Applications 5(1): 272-289.

Jassby, A.D., Cloern, J.E. and B.E. Cole. 2002. Annual primary production: patterns and mechanisms of change in a nutrient-rich tidal ecosystem. Limnology and Oceanography 47:698-712.

Kimmerer, W.J. 2002a. Effects of freshwater flow on abundance of estuarine organisms: physical effects or trophic linkages. Marine Ecology Progress Series 243:39-55.

Kimmerer, W.J. 2002b. Physical, biological and management responses to variable freshwater flow into the San Francisco Estuary. Estuaries 25: 1275-1290.

Kimmerer, W.J. 2004. Open water processes of the San Francisco Estuary: from physical forcing to biological processes. San Francisco Estuary and Watershed Science. Available on the internet at <http://repositories.cdlib.org/jmie/sfews/vol2/iss1/art1>.

Kimmerer, W.J. 2008. Losses of Sacramento River Chinook salmon and delta smelt to entraiment in water diversioins in the Sacramento-San Joaquin Delta. San Francisco Estuary and Watershed Science, 6:2 (2). Available on the internet at <http://repositories.cdlib.org/jmie/sfews/vol6/iss2/art2>.

Kimmerer, WJ. 2011. Modeling delta smelt losses at the South Delta export facilities. San Francisco Estuary and Watershed Science 9: Issue 1 [April 2011], article 6.

Kimmerer, W. J., J. H. Cowan, Jr., L. W. Miller, & K. A. Rose. 2000. Analysis of an estuarine striped bass (*Morone saxatilis*) population: influence of density-dependent mortality between metamorphosis and recruitment. Canadian Journal of Fisheries and Aquatic Sciences 57: 478-486.

Kimmerer, W. J., J. H. Cowan, Jr., L. W. Miller, & K. A. Rose. 2001. Analysis of an estuarine striped bass population: effects of environmental conditions during early life. Estuaries 24: 557-575.

Kimmerer, WJ, Gartside, E, Orsi, JJ. 1994. Predation by an introduced clam as the likely cause of substantial declines in zooplankton of San Francisco Bay. Marine Ecology Progress Series 113:81-93.

Kimmerer, W. J., E. S. Gross, and M. L. MacWilliams. 2009. Is the response of estuarine nekton to freshwater flow in the San Francisco Estuary explained by variation in habitat volume? Estuaries and Coasts 32:375-389.

Kimmerer, W.J. and J. J. Orsi. 1996. Causes of long-term declines in zooplankton in the San Francisco Bay estuary since 1987. Pages 403-424 in J. T. Hollibaugh (editor) San Francisco Bay: the ecosystem. AAAS, San Francisco, CA.

Kimmerer, W.J., and M.L. Nobriga. 2008. Investigating particle transport and fate in the Sacramento-San Joaquin Delta using a particle tracking model. San Francisco Estuary and Watershed Science, 6:2 (4). Available on the internet at <http://repositories.cdlib.org/jmie/sfews/vol6/iss1/art4>.

Kuivila, K.M., and G. E. Moon. 2004. Potential exposure of larval and juvenile delta smelt to dissolved pesticides in the Sacramento-San Joaquin Delta, California. American Fisheries Society Symposium 39:229-242.

Lantry, B.F., and D.J. Stewart. 1993. Ecological energetics of rainbow smelt in the Laurentian Great Lakes: an interlake comparison. Transactions of the American Fisheries Society 122:951-976.

Lehman, P.W., S. Mayr, L. Mecum, and C. Enright. 2010a. The freshwater tidal wetland Liberty Island, CA was both a source and a sink of inorganic and organic material to the San Francisco Estuary. Aquatic Ecology 44:359-372. DOI 10.1007/s10452-009-9295-y.

Lehman, PW, Teh, SJ, Boyer, GL, Nobriga, ML, Bass, E, Hogle, C. 2010b. Initial impacts of *Microcystis aeruginosa* blooms on the aquatic foodweb in the San Francisco Estuary. Hydrobiologia 600:229-248.

Loboschefsky, E., G. Benigno, T. Sommer, K. Rose, T. Ginn, A. Massoudieh, and F. Loge. 2012. Individual-level and population-level historical prey demand of San Francisco Estuary striped bass using a bioenergetics model. San Francisco Estuary and Watershed Science 10(1): http://www.escholarship.org/uc/item/1c788451

Mac Nally, R, Thompson, JR, Kimmerer, WJ, Feyrer, F, Newman, KB, Sih, A, Bennett, WA, Brown, L, Fleishman, E, Culberson, SD, Castillo, G. 2010. An analysis of pelagic species decline in the upper San Francisco Estuary using multivariate autoregressive modelling (MAR). Ecological Applications 20:1417-1430.

Mager, R.C., S.I. Doroshov, J.P. Van Eenennaam and R.L. Brown. 2004. Early life stagesof delta smelt. Pages 169-180 *in* F. Feyrer, L.R. Brown, R.L. Brown and J.J. Orsi, eds. Early fife history of fishes in the San Francisco Estuary and watershed. American Fisheries Society Symposium 39, Bethesda, MD, USA.

Manly, B.F.J., and M. Chotkowski. 2006. Two new methods for regime change analyses. Archives fur Hydrobiologie. 167(1-4): 593-607.

Marine, KR, Cech, JJ, Jr. 2004. Effects of high water temperature on growth, smoltification, and predator avoidance in juvenile Sacramento River Chinook salmon. North American Journal of Fisheries Management 24:198-210.

Maunder, MN, Deriso, RB. 2011. A state-space multi-stage life cycle model to evaluate population impacts in the presence of density-dependence: illustrated with applications to delta smelt (*Hypomesus transpacificus*). Canadian Journal of Fisheries and Aquatic Sciences 68:1285-1306.

Miller, WJ. 2011. Revisiting assumptions that underlie estimates of proportional entrainment of delta smelt by State and Federal water diversions from the Sacramento-San Joaquin Delta. San Francisco Estuary and Watershed Science 9: Issue 1 [April 2011], article 5.

Miller, W. J., B. F. J. Manly, D. D. Murphy, D. Fullerton, and R. R. Ramey. 2012. An investigation of the factors affecting the decline of delta smelt (Hypomesus transpacificus) in the Sacramento-San Joaquin Estuary. Reviews in Fisheries Science 20:1-19. DOI 10.1080/10641262.2011.634930.

Moyle, PB, Bennett, WA. 2008. The future of the Delta ecosystem and its fish. Technical Appendix D, in Lund, J, Hanak, E, Fleenor, W, Bennett, W, Howitt, R, Mount, J, Moyle, P. Comparing futures for the Sacramento-San Joaquin Delta. San Francisco, CA: Public Policy Institute of California.

Moyle, P.B., B. Herbold, D. E.Stevens and L.W. Miller. 1992. Life history and status of delta smelt in the Sacramento-San Joaquin Estuary, California. Transactions of the American Fisheries Society 121:67-77.

Moyle, P.B. 2002. Inland fishes of California. University of California Press, Berkeley and Los Angeles, California.

Nichols, F.H., J.E. Cloern, S.N. Luoma, and D.H. Peterson. 1986. The modification of an estuary. Science 231:567-573. DOI 10.1126/science.231.4738.567.

Nobriga, M. L., Z. Matica and Z.P. Hymanson. 2004. Evaluating Entrainment Vulnerability to Agricultural Irrigation Diversions: A Comparison among Open-Water Fishes. Pages 281-295 in F. Feyrer, L.R. Brown, R.L. Brown, and J.J. Orsi, editors. Early Life History of Fishes in the San Francisco Estuary and Watershed. American Fisheries Society Symposium 39, Bethesda, Maryland.

Nobriga, M.L., F. Feyrer, R.D. Baxter and M. Chotkowski. 2005. Fish community ecology in an altered river delta: spatial patterns in species composition, life history strategies and biomass. Estuaries 28:776-785.

Nobriga, M.L., T. R. Sommer, F. Feyrer and K. Fleming. 2008. .Long-term trends in summertime habitat suitability for delta smelt, *Hypomesus transpacificus*. San Francisco Estuary and Watershed Science 6. Available on the internet at < http://escholarship.org/uc/item/5xd3q8tx>.

Orsi, JJ, Mecum, WL. 1996. Food limitation as the probable cause of a long-term decline in the abundance of *Neomysis mercedis* the oppossum shrimp in the Sacramento-San Joaquin estuary. Pages 375-401 in Hollibaugh, JT (ed), San Francisco Bay: the ecosystem. American Association for the Advancement of Science, San Francisco.

Parker, A.E., R.C. Dugdale, and F.P. Wilkerson. 2012a. Elevated ammonium concentrations from wastewater discharge depress primary productivity in the Sacramento River and the northern San Francisco Estuary. Marine Pollution Bulletin 64:574-586.

Parker, A.E., V.E. Hogue, F.P. Wilkerson, and R.C. Dugdale. 2012b. The effect of inorganic nitrogen speciation on primary production in the San Francisco Estuary. Estuarine, Coastal and Shelf Science 104-105:91-101.

Pickard, A., A. Grover and F. Hall. 1982. IEP Technical Report Number 2: An evaluation of predator composition at three location on the Sacramento river. Available on the internet at < http://www.water.ca.gov/iep/products/technicalrpts.cfm>.

Richman, S.E., and J.R. Lovvorn. 2004. Relative foraging value to lesser scaup ducks of native and exotic clams from San Francisco Bay. Ecological Applications 14:1217-1231.

Rose, K.A., J. H. Cowan, K.O. Winemiller, R.A. Myers and R. Hilborn. 2001. Compensatory density-dependence in fish populations: importance, controversy, understanding, and prognosis. Fish and Fisheries 2: 293-327.

Rosenfield, JA, Baxter, RD. 2007. Population dynamics and distribution patterns of longfin smelt in the San Francisco Estuary. Transactions of the American Fisheries Society 136:1577-1592.

Schoellhamer, DH. 2011. Sudden clearing of estuarine waters upon crossing the threshold from transport to supply regulation of sediment transport as an erodible sediment pool is depleted: San Francisco Bay, 1999. Estuaries and Coasts 34: DOI 10.1007/s12237-011-9382-x.

Schroeter, R.E. 2008. Biology and long-term trends of alien hydromedusae and striped bass in a brackish tidal marsh in the San Francisco Estuary. Ph.D. dissertation. University of California, Davis.

Shoup, DE, Wahl, DH. 2009. The effects of turbidity on prey selection by piscivorous largemouth bass. Transactions of the American Fisheries Society 138:1018-1027.

Sogard, S. M. 1997. Size-selective mortality in the juvenile stage of teleost fishes: a review. Bulletin of Marine Science 60: 1129-1157.

Sommer, T., C. Armor, R. Baxter, R. Breuer, L. Brown, M. Chotkowski, S. Culberson, F. Feyrer, M. Gingras, B. Herbold, W. Kimmerer, A. Mueller-Solger, M. Nobriga and K. Souza. 2007. The collapse of pelagic fishes in the upper San Francisco Estuary. Fisheries 32(6):270-277.

Sommer, T., F.H. Mejia, M.L. Nobriga, F. Feyrer, and L. Grimaldo. 2011. The spawning migration of delta smelt in the upper San Francisco Estuary. San Francisco Estuary and Watershed Science 9(2): http://www.escholarship.org/uc/item/86m0g5sz

Stevens, D.E., and L.W. Miller. 1983. Effects of river flow on abundance of young Chinook salmon, American shad, longfin smelt, and delta smelt in the Sacramento-San Joaquin river system. North American Journal of Fisheries Management 3:425-437.

Stewart, AR, Luoma, SN, Schlekat, CE, Doblin, MA, Hieb, KA. 2004. Foodweb pathway determines how selenium affects aquatic ecosystems: a San Francisco Bay case study. Environmental Science and Technology 38:4519-4526.

Swanson, C., T. Reid, P.S. Young and J. Cech, Jr. 2000. Comparative environmental tolerances of threatened delta smelt (*Hypomesus transpacificus*) and introduced wakasagi (*H. nipponensis*) in an altered California estuary. Oecologia 123: 384-390.

Sweetnam, D.A. 1999. Status of delta smelt in the Sacramento-San Joaquin Estuary. California Fish and Game 85:22-27.

Service (U.S. Fish and Wildlife Service). 2008. Formal Endangered Species Act Consultation on the Proposed Coordinated Operations of the Central Valley Project (CVP) and State Water Project (SWP), Service File No. 81420-2008-F-1481-5. Available on the internet at <http://www.fws.gov/sfbaydelta/ocap/>.

Taniguchi, Y, Rahel, FJ, Novinger, DC, Gerow, KG. 1998. Temperature mediation of competitive interactions among three fish species that replace each other along longitudinal stream gradients. Canadian Journal of Fisheries and Aquatic Sciences 55:1894-1901.

Thomson, JR, Kimmerer, WJ, Brown, LR, Newman, KB, Mac Nally, R, Bennett, WA, Feyrer, F, Fleishman, E. 2010. Bayesian change-point analysis of abundance trends for pelagic fishes in the upper San Francisco Estuary. Ecological Applications 20:1431-1448.

Wagner, R.W., M. Stacey, L.R. Brown, and M. Dettinger. 2011. Statistical models of temperature in the Sacramento-San Joaquin Delta under climate-change scenarios and ecological implications. Estuaries and Coasts 34:544-556.

Walters, C.J., and F. Juanes. 1993. Recruitment limitation as a consequence of natural selection for use of restricted feeding habitats and predation risk taking by juvenile fishes. Canadian Journal of Fisheries and Aquatic Sciences 50:2058-2070.

Werner, I., L. A. Deanovic, D. Markiewicz, M. Khamphanh, C. K. Reece, M. Stillway, and C. Reece. 2010. Monitoring acute and chronic water column toxicity in the northern Sacramento-San Joaquin Estuary, California, USA, using the euryhaline amphipod, *Hyallela azteca*: 2006 to 2007. Environmental Toxicology and Chemistry 29:2190-2199.

Wilkerson, F.P., R.C. Dugdale, V.E. Hogue and A. Marchi. 2006. Phytoplankton blooms and nitrogen productivity in San Francisco Bay. Estuaries and Coasts 29:401-416.

Winder, M., and A.D. Jassby. 2011. Shifts in zooplankton community structure: implications for food web processes in the upper San Francisco Estuary. Estuaries and Coasts 34:675-690. DOI 10.1007/s12237-010-9342-x.

Winder, M., A. D. Jassby, and R. Mac Nally. 2011. Synergies between climate anomalies and hydrological modifications facilitate estuarine biotic invasions. Ecology Letters: DOI 10.1111/j.1461-0248.2011.011635.x.

Wright, SA, Schoellhamer, DH. 2004. Trends in the sediment yield of the Sacramento River, California, 1957-2001. San Francisco Estuary and Watershed Science 2: http//repositories.cdlib.org/jmie/sfews/vol2/iss2/art2.